

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07_003.xad

Created: 12/7/2017 12:54:25 PM
Modified: 12/7/2017 1:20:19 PM

Electrophoresis File Run Summary

Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

Assay Information:

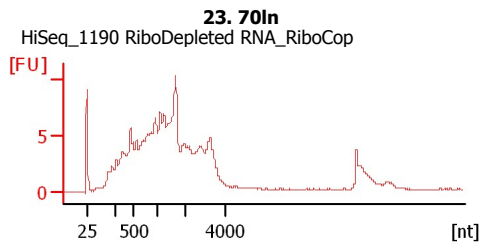
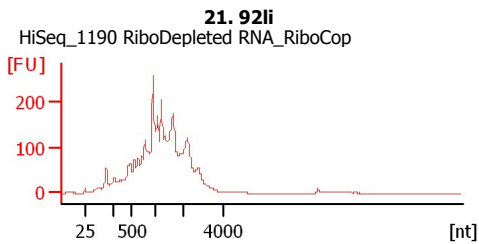
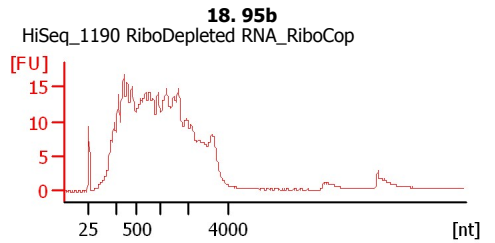
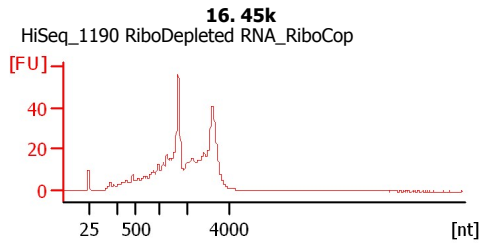
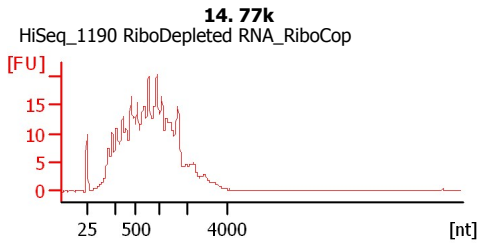
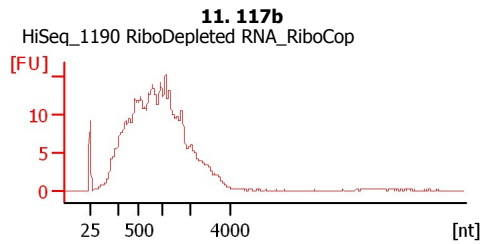
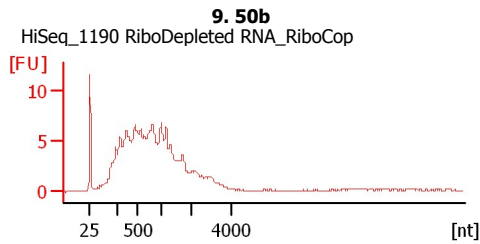
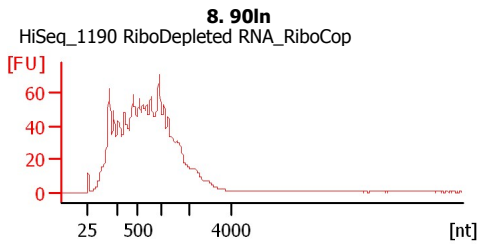
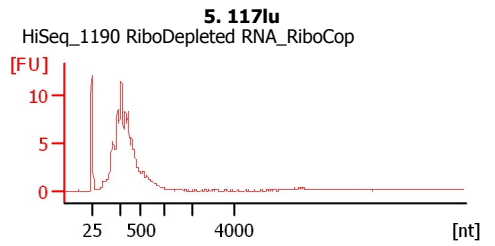
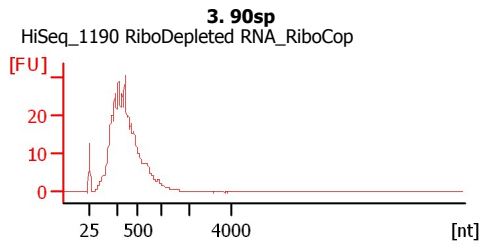
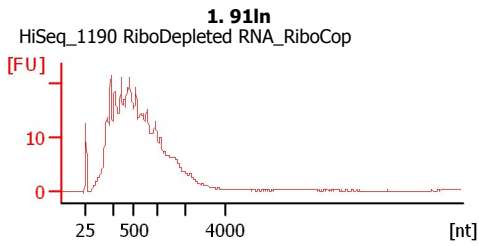
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\mRNA Pico Series II.xsy

Assay Class: mRNA Pico
Version: 2.6
Assay Comments: mRNA Analysis pg sensitivity

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Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments:



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
1. 91ln	HiSeq_1190 RiboDepleted	✓		
3. 90sp	HiSeq_1190 RiboDepleted	✓		
5. 117lu	HiSeq_1190 RiboDepleted	✓		
8. 90ln	HiSeq_1190 RiboDepleted	✓		
9. 50b	HiSeq_1190 RiboDepleted	✓		
11. 117b	HiSeq_1190 RiboDepleted	✓		
14. 77k	HiSeq_1190 RiboDepleted	✓		
16. 45k	HiSeq_1190 RiboDepleted	✓		
18. 95b	HiSeq_1190 RiboDepleted	✓		
21. 92li	HiSeq_1190 RiboDepleted	✓		
23. 70ln	HiSeq_1190 RiboDepleted	✓		
Ladder		✓		

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

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Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12

Minimum Visible Range [s] : 14

Maximum Visible Range [s] : 85

Start Analysis Time Range [s] : 15

End Analysis Time Range [s] : 84

Ladder Concentration [pg/ μ l] : 1000

Lower Marker Concentration [pg/ μ l] : 0

Upper Marker Concentration [pg/ μ l] : 0

Used Lower Marker for Quantitation

Standard Curve Fit is Logarithmic

Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 15

Integration End Time [s] : 84

Slope Threshold : 0.2

Height Threshold [FU] : 0.5

Area Threshold : 0.1

Width Threshold [s] : 0.2

Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5

Polynomial Order : 4

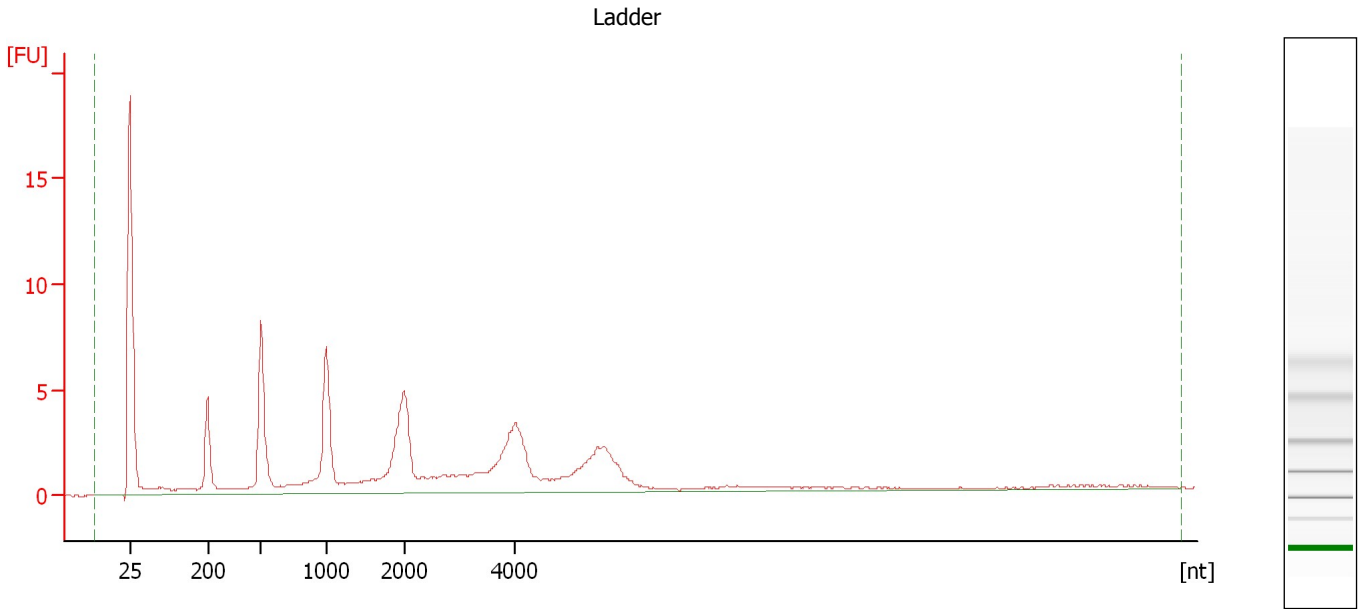
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

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Electropherogram Summary



Overall Results for Ladder

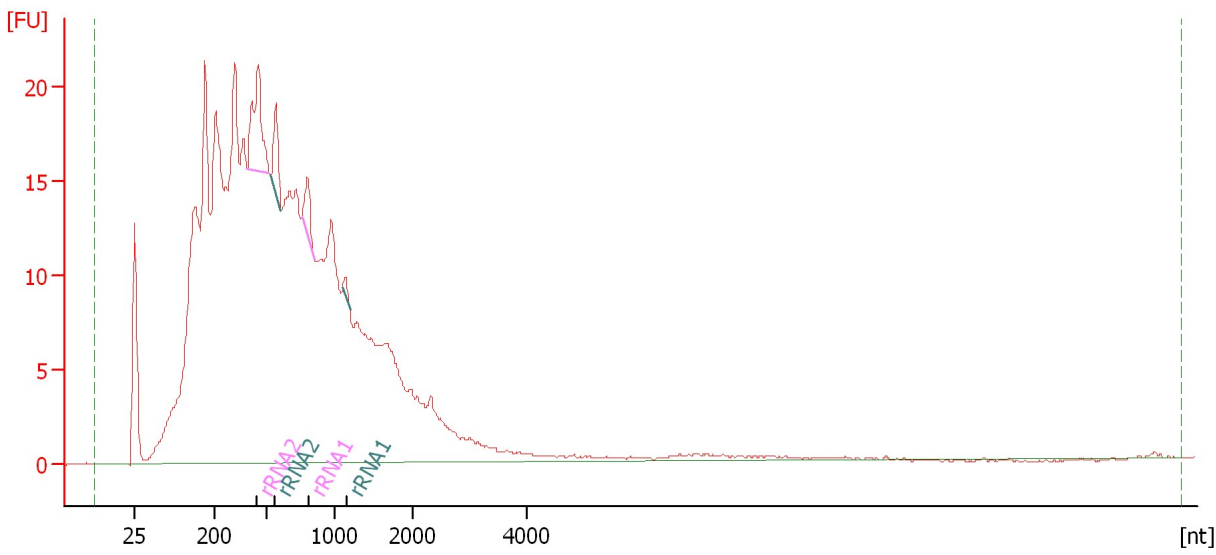
RNA Area: 108.1 RNA Concentration: 1,000 pg/μl

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Electropherogram Summary Continued ...

1. 91In [HiSeq_1190 RiboDepleted RNA_RiboCop]



Overall Results for sample 1 : 1. 91In

RNA Area: 692.9 rRNA Contamination: 3.5 %
RNA Concentration: 6,409 pg/μl

Fragment table for sample 1 : 1. 91In

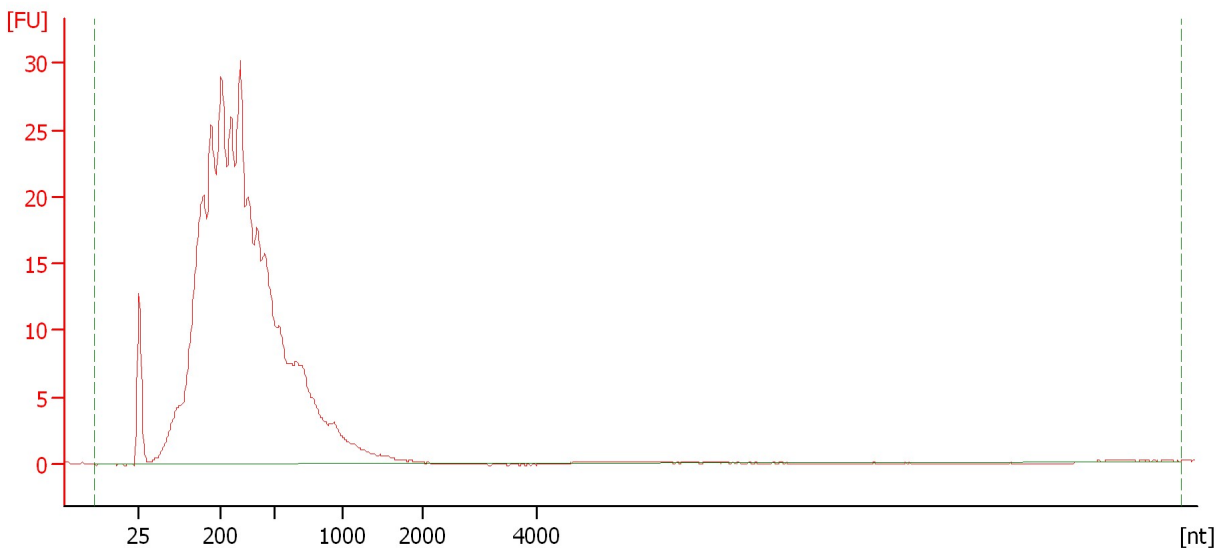
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	385	513	13.9	2.0
rRNA2	525	602	5.4	0.8
rRNA1	756	851	4.1	0.6
rRNA1	1,100	1,191	0.9	0.1

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Electropherogram Summary Continued ...

3. 90sp [HiSeq_1190 RiboDepleted RNA_RiboCop]



Overall Results for sample 2 : 3. 90sp

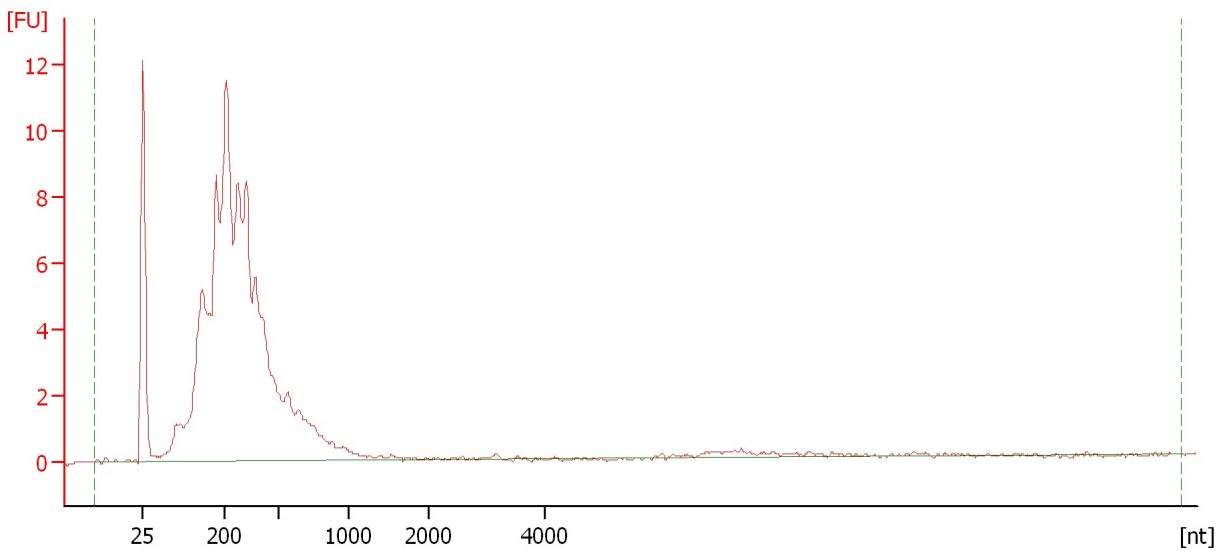
RNA Area: 562.7 rRNA Contamination: 0.0 %
RNA Concentration: 5,205 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07_003.xad

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Electropherogram Summary Continued ...

5. 117lu [HiSeq_1190 RiboDepleted RNA_RiboCop]



Overall Results for sample 3 : 5. 117lu

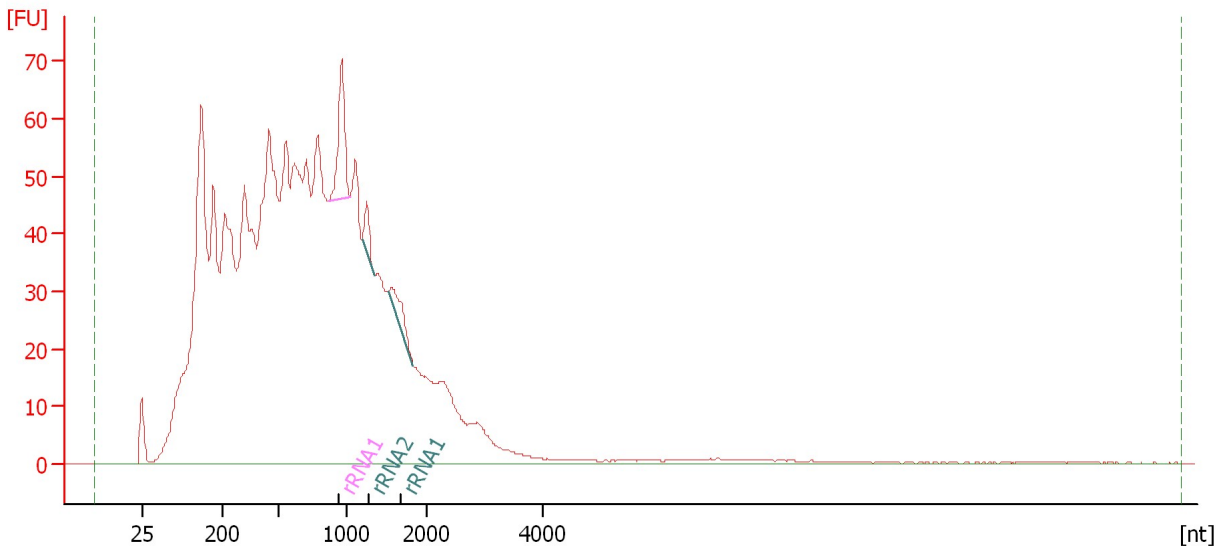
RNA Area: 152.3 rRNA Contamination: 0.0 %
RNA Concentration: 1,409 pg/μl

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07_003.xad

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Electropherogram Summary Continued ...

8. 90In [HiSeq_1190 RiboDepleted RNA_RiboCop]



Overall Results for sample 4 : 8. 90In

RNA Area: 2,404.4 rRNA Contamination: 2.3 %
RNA Concentration: 22,240 pg/μl

Fragment table for sample 4 : 8. 90In

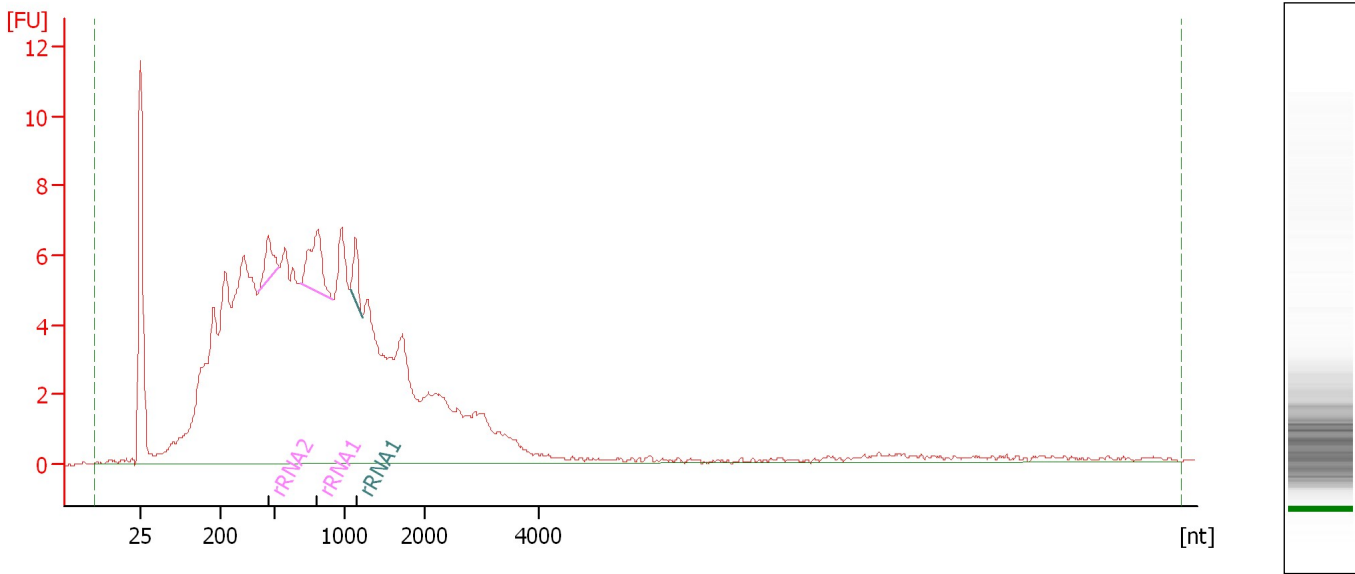
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	865	1,037	35.3	1.5
rRNA2	1,195	1,334	8.8	0.4
rRNA1	1,512	1,829	11.1	0.5

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07_003.xad

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Electropherogram Summary Continued ...

9. 50b [HiSeq_1190 RiboDepleted RNA_RiboCop]



Overall Results for sample 5 : 9. 50b

RNA Area: 270.8 rRNA Contamination: 3.7 %
RNA Concentration: 2,505 pg/μl

Fragment table for sample 5 : 9. 50b

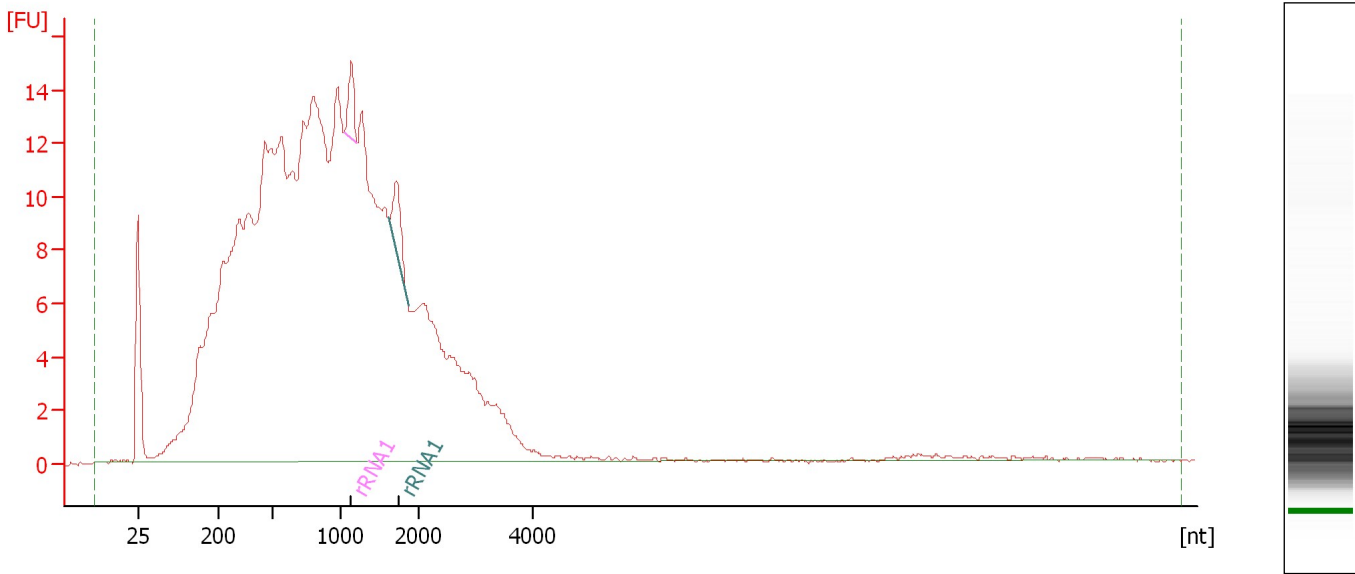
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	408	523	2.6	1.0
rRNA1	686	913	5.4	2.0
rRNA1	1,071	1,220	2.1	0.8

Assay Class: mRNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07_003.xad

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Electropherogram Summary Continued ...

11. 117b [HiSeq_1190 RiboDepleted RNA_RiboCop]



Overall Results for sample 6 : 11. 117b

RNA Area: 549.3 rRNA Contamination: 1.5 %
 RNA Concentration: 5,080 pg/μl

Fragment table for sample 6 : 11. 117b

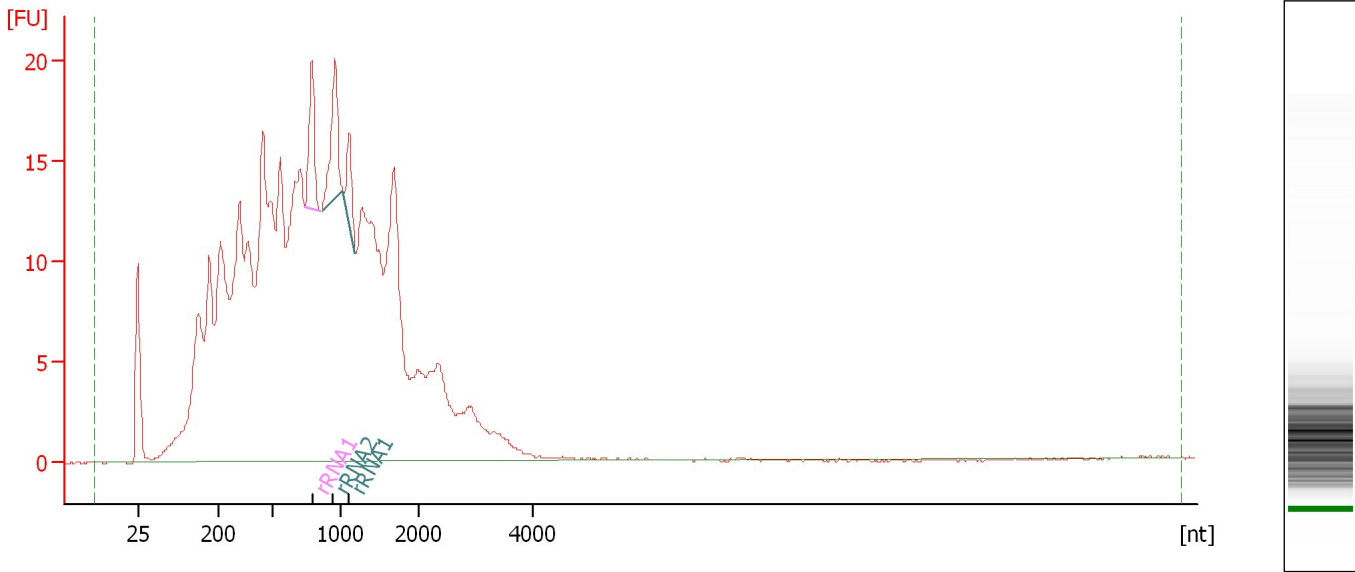
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	1,052	1,212	3.5	0.6
rRNA1	1,613	1,854	4.5	0.8

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07_003.xad

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Electropherogram Summary Continued ...

14. 77k [HiSeq_1190 RiboDepleted RNA_RiboCop]



Overall Results for sample 7 : 14. 77k

RNA Area: 611.5 rRNA Contamination: 4.1 %
RNA Concentration: 5,656 pg/μl

Fragment table for sample 7 : 14. 77k

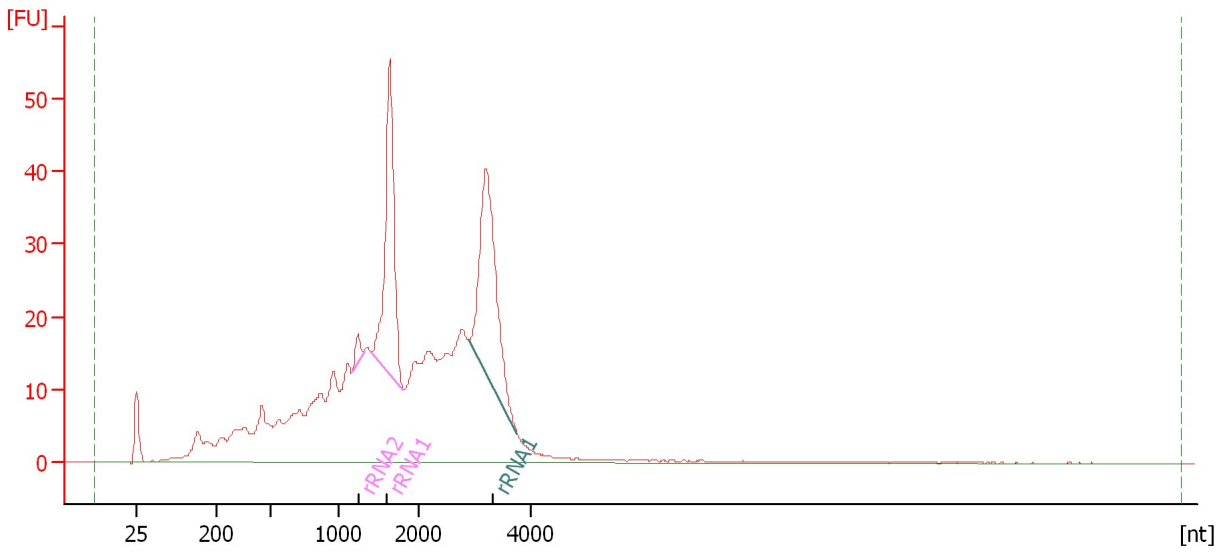
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	743	854	9.5	1.6
rRNA2	866	1,042	11.0	1.8
rRNA1	1,042	1,192	4.7	0.8

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Electropherogram Summary Continued ...

16. 45k [HiSeq_1190 RiboDepleted RNA_RiboCop]



Overall Results for sample 8 : 16.45k

RNA Area: 781.1 rRNA Contamination: 21.0 %
RNA Concentration: 7,225 pg/μl

Fragment table for sample 8 : 16.45k

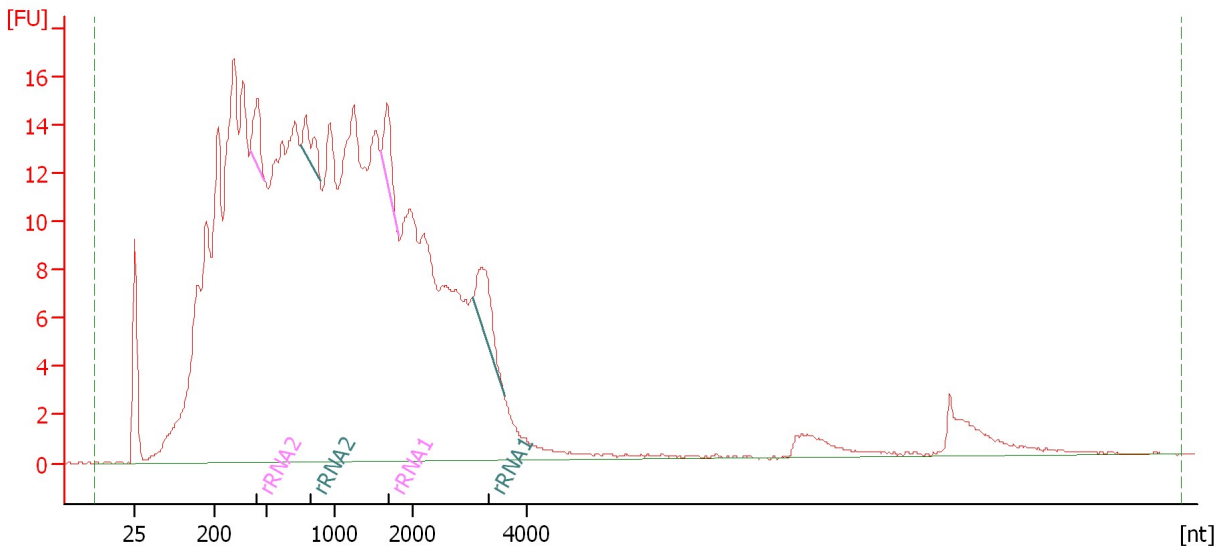
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	1,169	1,320	4.1	0.5
rRNA1	1,411	1,813	78.1	10.0
rRNA1	2,905	3,747	82.2	10.5

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Electropherogram Summary Continued ...

18. 95b [HiSeq_1190 RiboDepleted RNA_RiboCop]



Overall Results for sample 9 : 18. 95b

RNA Area: 744.5 rRNA Contamination: 2.8 %
 RNA Concentration: 6,886 pg/μl

Fragment table for sample 9 : 18. 95b

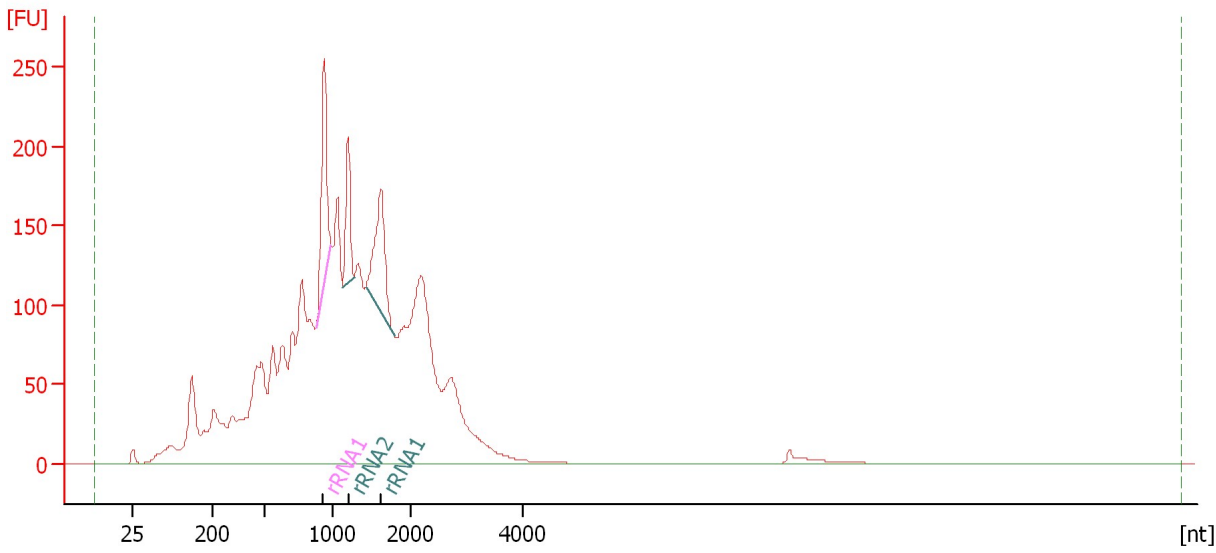
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	402	483	5.1	0.7
rRNA2	750	892	3.9	0.5
rRNA1	1,587	1,800	4.9	0.7
rRNA1	3,037	3,603	7.3	1.0

Assay Class: mRNA Pico
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Electropherogram Summary Continued ...

21. 92li [HiSeq_1190 RiboDepleted RNA_RiboCop]



Overall Results for sample 10 : 21. 92li

RNA Area: 4,745.6 rRNA Contamination: 9.2 %
RNA Concentration: 43,894 pg/μl

Fragment table for sample 10 : 21. 92li

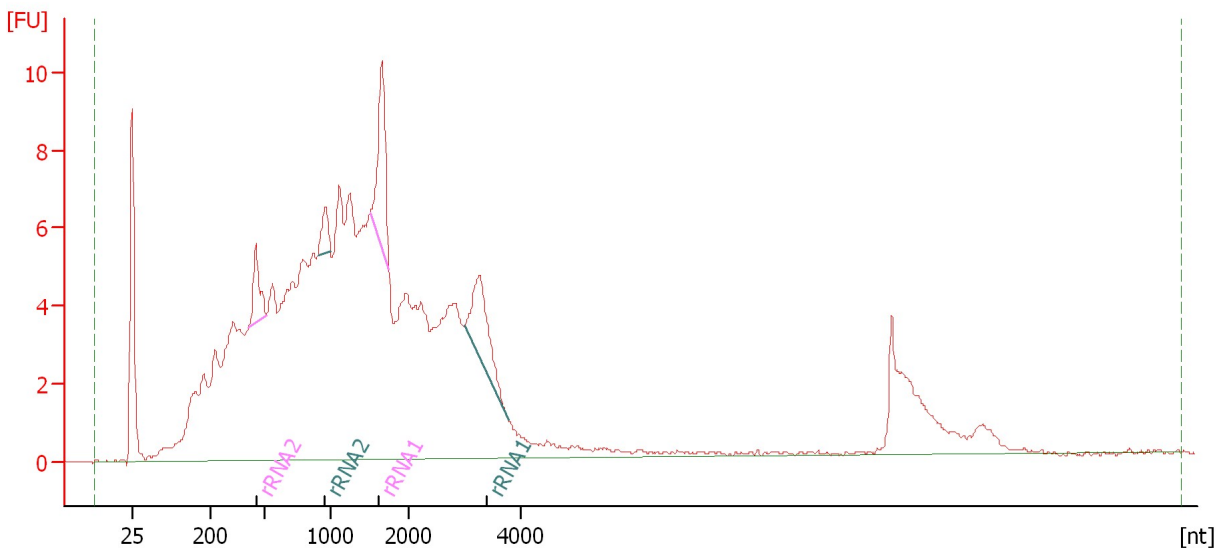
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA1	882	995	176.4	3.7
rRNA2	1,135	1,278	92.8	2.0
rRNA1	1,431	1,787	165.3	3.5

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Electropherogram Summary Continued ...

23. 70ln [HiSeq_1190 RiboDepleted RNA_RiboCop]



Overall Results for sample 11 : 23. 70ln

RNA Area: 293.9 rRNA Contamination: 6.4 %
 RNA Concentration: 2,718 pg/μl

Fragment table for sample 11 : 23. 70ln

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
rRNA2	412	515	3.3	1.1
rRNA2	904	999	1.8	0.6
rRNA1	1,500	1,745	7.6	2.6
rRNA1	3,015	3,771	6.1	2.1

Assay Class: mRNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-12-07\2017-12-07_003.xad

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